

Title (en)

METHOD AND APPARATUS FOR INSERTING SHEET PILES WITHIN HIGHLY RESISTANT EARTH FORMATIONS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM EINSETZEN VON SPUNDBOHLLEN IN HOCHWIDERSTANDSFÄHIGEN ERDFORMATIONEN

Title (fr)

PROCÉDÉ ET DISPOSITIF D INSERTION DE PALPLANCHES DANS DES SOLS TRÈS RÉSISTANTS

Publication

EP 1937899 A4 20091014 (EN)

Application

EP 05797890 A 20050921

Priority

US 2005033751 W 20050921

Abstract (en)

[origin: WO2007040477A1] A method and apparatus for inserting a sheet pile (10) into an earth formation using a protective housing (12) releasably connected to the sheet pile (10). The protective housing has a fluid gallery and conduits for releasing fluid such as water onto the base of the sheet pile without jetting water into the earth formation. The method and apparatus are particularly suited for driving vinyl and plastic sheet piles into highly resistant soils.

IPC 8 full level

E02D 5/32 (2006.01); **E02D 7/02** (2006.01); **E02D 7/24** (2006.01); **E02D 7/26** (2006.01); **E02D 13/00** (2006.01)

CPC (source: EP)

E02D 7/20 (2013.01); **E02D 7/24** (2013.01); **E02D 7/26** (2013.01)

Citation (search report)

- [X] JP 2002038481 A 20020206 - TAISEI CORP
- [XY] JP H0184339 U 19890605
- [Y] US 5503503 A 19960402 - GLASS JAMES O [US], et al
- [X] US 3851490 A 19741203 - MATSUSHITA K
- [A] JP H072538 U 19950113
- [A] JP H0313622 A 19910122 - SATO KOGYO
- [A] JP H09268555 A 19971014 - DAIHO CONSTRUCTION CO LTD, et al
- [A] JP H05222727 A 19930831 - TOKYO GAS CO LTD, et al
- See references of WO 2007040477A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007040477 A1 20070412; CA 2619939 A1 20070412; EP 1937899 A1 20080702; EP 1937899 A4 20091014

DOCDB simple family (application)

US 2005033751 W 20050921; CA 2619939 A 20050921; EP 05797890 A 20050921